

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Bing-Yan Zhu et al.

Application No.: Not Yet Assigned

Filed: Herewith

For: INHIBITORS OF FACTOR XA

Examiner:

Art Unit:

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Box Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached forms PTO/SB/08B, PTO/1449 and PTO 892 are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of the references can be found in Application Serial Numbers 09/794,214, filed February 28, 2001 (Attorney Docket No. 021390-002420US) and Application Serial No. 09/662,807, filed September 15, 2000 (Attorney Docket No. 021390-002410US). It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

Applicants also bring to the attention of the Examiner the following application with a common assignee and request consideration of the application (copy previously submitted) and any and all references therein:

Application No.

09/662,807

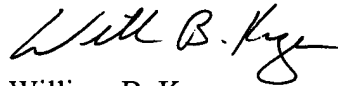
Filing Date

September 15, 2000

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



William B. Kezer
Reg. No. 37,369

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
Tel: 925-472-5000
Fax: 925-472-8895
WBK:jkh
WC 9059879 v1

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	
				Filing Date	
				First Named Inventor	Bing-Yan Zhu
				Art Unit	
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	021390-002421

U.S. PATENT DOCUMENTS					
Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-5,569,768	10/29/1996	Boyd et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (If known)				
	AB	JP	11-302177					<input type="checkbox"/>
	AC	PCT	WO 99/00121		01/07/1999	Beight et al.		<input type="checkbox"/>
	AD	PCT	WO 99/00126		01/07/1999	Beight et al.		<input type="checkbox"/>
	AE	PCT	WO 99/32477		07/01/1999	Schering Aktiengesellschaft		<input type="checkbox"/>
	AF	PCT	WO 99/00128		01/07/99	Beight et al.		<input type="checkbox"/>

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	G	Bing-Yan Zhu and Robert M. Scarborough, "Factor Xa Inhibitors: Recent Advances in Anticoagulant Agents, <i>Annual Report in Medicinal Chemistry</i> - 35, pp 83-102 (2000)	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.
WC 9054363 v1

Notice of References Cited

Application/Control No.

021390-002421

Applicant(s)/Patent Under Reexam

Zhu et al.

Examiner

Art Unit

Page 1 of 1

U.S. PATENT DOCUMENTS

	Document Number Country Code-Number-Kind Code	Date MM-YYYY ¹	Name	Classification ²	
A	5,082,949	1/1992	Sohn et al.	548	378
B					
C					
D					
E					
F					
G					
H					
I					
J					
K					
L					
M					

FOREIGN PATENT DOCUMENTS

	Document Number Country Code-Number-Kind Code	Date MM-YYYY ¹	Country	Name	Classification ²	
N	WO 98/57951	12/1998	WO	Lam et al.	----	----
O						
P						
Q						
R						
S						
T						

NON-PATENT DOCUMENTS

	Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
U	Rauch et al., PubMed Abstract (Ann. Intern. Med. 134(3): 224-38), 2001.
V	Van Aken et al., PubMed Abstract (Clin. Appl. Thromb. Hemost. 7(3): 195-204), 2001.
W	
X	

* A copy of this reference is not being furnished with this Office action. See MPEP § 707.05(a). ¹ Dates in MM-YYYY format are publication dates. ² Classifications may be U.S. or foreign.

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) PTO Form 1449				Attorney Docket No.: 021390-002421		Application No.:	
				Applicants: Bing-Yan ZHU, et al.			
				Filing Date:		Group:	

U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Sub Class	Filing Date

FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Sub Class	Translation Yes No	
		98/28269	2 July 1998	WO				
		98/28282	2 July 1998	WO				
		98/57934	23 December 1998	WO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Suzuki, H., et al., "Selective Reduction with Lithium Aluminum Hydride/Diphosphorus Tetraiodide. A Mild Conversion of Aromatic Ketones to Parent Hydrocarbons", <u>Chemistry Letters</u> , pp. 909-910 (1983).
	"Dictionary of Organic Compounds, 5th Ed., Vol. 5", CHAPMAN AND HALL, NEW YORK, US, XP002161122 157909 compounds T-00160, T-00161, T-00162, page 5119, (1982).
	Chen, Qing-Yun and Li, Zhan-Ting, "Photo-induced electron-transfer reaction of aryl perfluoroalkanesulfonates with anilines," <u>Journal of Fluorine Chemistry</u> , 66, pp. 59-62 (1994).
	Keumi, Takashi, et al., "2-(Trifluoromethylsulfonyloxy)pyridine as a Reagent for the Ketone Synthesis from Carboxylic Acids and Aromatic Hydrocarbons," <u>Bull. Chem. Soc. Jpn.</u> , 61, pp. 455-459 (1988).
	Sipe, Herbert J., Jr., et al., "An Improved Synthesis of Aryl Sulfones," <u>Synthesis</u> , No. 3, pp. 283-284 (1984).

Examiner	Date Considered
----------	-----------------

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication.